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Publisher: ACM

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- 2 [Access Control for Databases: Concepts and Systems](#)  
Eisa Bertino, Gabriel Ghinity, Ashish Kamra  
January 2011 Foundations and Trends in Databases, Volume 3 Issue 1-2

Publisher: Now Publishers Inc.

Bibliometrics Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

As organizations depend on, possibly distributed, information systems for operational, decisional and strategic activities, they are vulnerable to security breaches leading to data theft and unauthorized disclosures even as they gain productivity and ...

- 3 [NFS version 4 Protocol](#)  
S. Shepler, B. Callaghan, D. Robinson, R. Thurlow, C. Beame, M. Eisler, D. Noveck  
December 2000 NFS version 4 Protocol

Publisher: RFC Editor

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NFS (Network File System) version 4 is a distributed file system protocol which owes heritage to NFS protocol versions 2 [RFC1094] and 3 [RFC1813]. Unlike earlier versions, the NFS version 4 protocol supports traditional access while integrating ...

- 4 [Network File System \(NFS\) version 4 Protocol](#)  
S. Shepler, B. Callaghan, D. Robinson, R. Thurlow, C. Beame, M. Eisler, D. Noveck  
April 2003 Network File System (NFS) version 4 Protocol

Publisher: RFC Editor

Full text available [Pdf](#) (600.99 KB)

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The Network File System (NFS) version 4 is a distributed filesystem protocol which owes heritage to NFS protocol version 2, RFC 1094, and version 3, RFC 1813. Unlike earlier versions, the NFS version 4 protocol supports traditional file access while

- 5 [Communications of the ACM, Volume 51 Issue 7](#)  
July 2008 Communications of the ACM

Publisher: ACM

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- 6 [Proceedings of the 14th international conference on Principles of distributed systems](#)  
Chengyang Lu, Toshimitsu Masuzawa, Mohamed Moshab  
December 2010 OPDIS'10: Proceedings of the 14th international conference on Principles of distributed systems

Publisher: Springer-Verlag

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7 [Online reorganization of databases](#)

[Garry H. Stark](#), [Balakrishna R. Iyer](#)

July 2009

**Computing Surveys (CSUR)** , Volume 41 Issue 3

**Publisher:** ACM [Request Permissions](#)

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In practice, any database management system sometimes needs reorganization, that is, a change in some aspect of the logical and/or physical arrangement of a database. In traditional practice, many types of reorganization have required denying access.

**Keywords:** Clustering, concurrent reorganization, indexes, log-structured file systems, maintenance, online reorganization, redefinition, reorganization, restructuring, schema evolution, very large databases

8 [An Approach for Managing Service Dependencies with XML and the Resource Description Framework](#)

[Christian Seneal](#), [Alexandru Kallal](#)

June 2002

**Journal of Network and Systems Management** , Volume 10 Issue 2

**Publisher:** Plenum Press

Full text available [PDF](#) (886.15 KB)

**Bibliometrics** Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a, Citation Count

We describe a novel approach for applying XML, XPath, and Resource Description Framework (RDF) to the problem of describing, querying and computing the dependencies among services in a distributed computing system. This becomes increasingly important.

**Keywords:** Dependency Analysis, RDF, Web-based Application Management, XML, XPath

9 [Reducing downtime due to system maintenance and upgrades](#)

[Shaya Eytan](#), [Jason Nish](#)

December 2005

**LISA '05: Proceedings of the 19th conference on Large Installation System Administration Conference - Volume 19** , Volume 19

**Publisher:** USENIX Association

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Patching, upgrading, and maintaining operating system software is a growing management complexity problem that can result in unacceptable system downtime. We introduce AutoPod, a system that enables unscheduled operating system updates while preserving ...

10 [Secure Prolog-based mobile code](#)

[Sara Veloso](#), [Andrzej Pawlak](#)

May 2001

**Theory and Practice of Logic Programming** , Volume 1 Issue 3

**Publisher:** Cambridge University Press

**Bibliometrics** Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a, Citation Count

LogicWeb mobile code consists of Prolog-like rules embedded in Web pages, thereby adding logic programming behaviour to those pages. Since LogicWeb programs are downloaded from foreign hosts and executed locally, there is a need to protect the client.

**Keywords:** Prolog, World Wide Web, mobile code security

11 [The case of the fake Picasso: preventing history forgery with secure provenance](#)

[Ragib Hasab](#), [Ragib San](#), [Maurice Winstel](#)

February 2009

**FAST '09: Proceedings of the 7th conference on File and storage technologies**

**Publisher:** USENIX Association

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As increasing amounts of valuable information are produced and persist digitally, the ability to determine the origin of data becomes important. In science, medicine, commerce, and government, data provenance tracking is essential for rights protection, ...


12 [Rule-based workflow management for bioinformatics](#)

[S. Gossy](#), [M. Gatchen](#), [Michael Lynch](#)



September 2005 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 14, Issue 3  
**Publisher:** Springer-Verlag New York, Inc.  
 Full text available  [PDF](#) (428.34 KB)  
**Biometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 39, Downloads (Overall): 907, Citation Count: 4

We describe a data-centric software architecture for bioinformatics workflows and a rule-based workflow enactment system that uses declarative specifications of data dependencies between steps to automatically order the execution of those steps. A data-centric ...

**Keywords:** Bioinformatics, Rule-based system, Workflow

- 13 [Flight data recorder: monitoring persistent-state interactions to improve systems management](#)  
[Chai Yezhou, Eric Korman, Arunvijay Kumar, Brad Daniels, Shao Lu, Juhua Lee, Yi-Min Wang, Fouad Roussai](#)  
 November 2006 **OSDI '06: Proceedings of the 7th symposium on Operating systems design and implementation**  
**Publisher:** USENIX Association  
 Full text available  [PDF](#) (457.56 KB)  
**Biometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 34, Downloads (Overall): 187, Citation Count: 7

Mismanagement of the persistent state of a system---all the executable files, configuration settings and other c that govern how a system functions---causes reliability problems, security vulnerabilities, and drives up operational costs. Recent research ...

- 14 [A taxonomy of Data Grids for distributed data sharing, management, and processing](#)  
[Shahar Yemini, Rakesh Kumar, Rajkumar Buyya, Rajaraj Ramakrishnan](#)  
 June 2006 **Computing Surveys (CSUR)**, Volume 38 Issue 1  
**Publisher:** ACM   
 Full text available  [PDF](#) (1.70 MB)  
**Biometrics:** Downloads (6 Weeks): 80, Downloads (12 Months): 666, Downloads (Overall): 6915, Citation Count: 1


Data Grids have been adopted as the next generation platform by many scientific communities that need to share access, transport, process, and manage large data collections distributed worldwide. They combine high-end computing technologies with high-performance ...

**Keywords:** Grid computing, data-intensive applications, replica management, virtual organizations

- 15 [Mariposa: a wide-area distributed database system](#)  
[Michael Stonebraker, Paul M. Aoki, Wilco Lavin, Avi Pfeffer, Adam Sah, Jeff Sidel, Carl Staalin, Andrew Yu](#)  
 January 1996 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 8 Issue 1  
**Publisher:** Springer-Verlag New York, Inc.  
 Full text available  [PDF](#) (172.75 KB)  
**Biometrics:** Downloads (6 Weeks): 15, Downloads (12 Months): 126, Downloads (Overall): 849, Citation Count: 1

The requirements of wide-area distributed database systems differ dramatically from those of local-area network systems. In a wide-area network (WAN) configuration, individual sites usually report to different system administrators, have different access ...

**Keywords:** Autonomy, Databases, Distributed systems, Economic site, Name service, Wide-area network

- 16 [Efficient access to many small files in a filesystem for grid computing](#)  
[Douglas Thain, Christopher Morissette](#)  
 September 2007 **GRID '07: Proceedings of the 8th IEEE/ACM International Conference on Grid Computing**  
**Publisher:** IEEE Computer Society  
 Full text available  [PDF](#) (207.55 KB)  
**Biometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 27, Downloads (Overall): 116, Citation Count: 3

Many potential users of grid computing systems have a need to manage large numbers of small files. However, computing and storage grids are generally optimized for the management of large files. As a result, users with small files achieve performance ...

- 17 [Boxwood: abstractions as the foundation for storage infrastructure](#)  
[John MacCormick, Kirk Murphy, Marc Naorik, Chandramohan A. Thekkath, Lidong Zhou](#)  
 December 2004 **OSDI '04: Proceedings of the 6th conference on Symposium on Operating Systems Design Implementation - Volume 6**, Volume 6  
**Publisher:** USENIX Association

**Bibliometrics** Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a, Citation Count

Writers of complex storage applications such as distributed file systems and databases are faced with the challenges of building complex abstractions over simple storage devices like disks. These challenges are exacerbated due to the additional requirements

18 [An overview of the HDF5 technology suite and its applications](#)

[Milo Fots](#), [Gerd Heiser](#), [Guilany Szorog](#), [Elena Fournel](#), [Dana Robinson](#)

March 2011

**AD '11**: Proceedings of the EDBT/ICDT 2011 Workshop on Array Databases

**Publisher**: ACM [Request Permissions](#)

Full text available [PDF](#) (1.66 MB)

**Bibliometrics** Downloads (6 Weeks) 9, Downloads (12 Months) 13, Downloads (Overall) 13, Citation Count: 0

In this paper, we give an overview of the HDF5 technology suite and some of its applications. We discuss the H data model, the HDF5 software architecture and some of its performance enhancing capabilities

**Keywords**: HDF5, data management, data models, databases

19 [SPM: System for Password Management](#)

[Michael A. Cooper](#)

September 1995

**LISA '95**: Proceedings of the 9th USENIX conference on System administration

**Publisher**: USENIX Association

**Bibliometrics** Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a, Citation Count

Most UNIX operating systems are not delivered with adequate facilities to address password management in medium to large, heterogeneous environments. The System for Password Management (SPM, pronounced span) provides multiple levels of user verification

20 [Data management for large-scale scientific computations in high performance distributed systems](#)

[A. Choudhary](#), [M. Kaundun](#), [J. Na](#), [G. Mamik](#), [X. Shen](#), [W. Liao](#), [H. Nagash](#), [S. More](#), [Y. Taylor](#), [S. Thakur](#), [R. Stevens](#)

January 2000

**Cluster Computing**, Volume 3 Issue 1

**Publisher**: Kluwer Academic Publishers

Full text available [Publisher Site](#)

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With the increasing number of scientific applications manipulating huge amounts of data, effective high-level data management is an increasingly important problem. Unfortunately, so far the solutions to the high-level data management problem

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